

ASBESTOS ASSESSMENT SURVEY

H-K Building 09  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/22/89  
Inspector: TIM SWARTZ

Building Number: 09  
Building Name: ENGINE HOUSE  
SEATTLE, WASHINGTON  
Building Type: MECHANICAL  
Year Constructed: 1933

*****	AREA NUMBER: 01	AREA DESCRIPTION: Ground Floor	AREA AVERAGE % ASBESTOS: 7%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
above compressor #8	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	8 in. O.D.	RS/R	27	III	\$96	\$57	\$153
above compressor #8	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	14 in. O.D.	RS/R	27	III	\$173	\$111	\$284
above compressor #3	01-356262	0%	mjp on non-suspect pipe cover	OMA	1	10 in. O.D.	RS/R	27	III	\$63	\$39	\$102
above compressor #3	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	12 in. O.D.	RS/R	27	III	\$152	\$95	\$247
above compressor #2	01-356262	0%	mjp on non-suspect pipe cover	OMA	1	10 in. O.D.	RS/R	27	III	\$63	\$39	\$102
above compressor #2	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	12 in. O.D.	RS/R	27	III	\$152	\$95	\$247
above compressor #6	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	8 in. O.D.	RS/R	27	III	\$96	\$57	\$153
above compressor #6	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	14 in. O.D.	RS/R	27	III	\$173	\$111	\$284
above compressor #5	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	8 in. O.D.	RS/R	27	III	\$96	\$57	\$153
above compressor #5	01-356262	0%	mjp on non-suspect pipe cover	OMA	4	12 in. O.D.	RS/R	27	III	\$303	\$190	\$493
above compressor #4	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	8 in. O.D.	RS/R	27	III	\$96	\$57	\$153
above compressor #4	01-356262	0%	mjp on non-suspect pipe cover	OMA	4	12 in. O.D.	RS/R	27	III	\$303	\$190	\$493
above compressor-in southwest corner	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	10 in. O.D.	RS/R	27	III	\$125	\$78	\$203
above compressor-in southwest corner	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	12 in. O.D.	RS/R	27	III	\$152	\$95	\$247
above compressor-in southwest corner	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	14 in. O.D.	RS/R	27	III	\$173	\$111	\$284
above compressor-in southwest corner	01-356262	0%	mjp on non-suspect pipe cover	OMA	2	16 in. O.D.	RS/R	27	III	\$204	\$151	\$355
	01-356263	0%							27 III			
	01-356264	20%							27 III			

AREA COMMENTS

The material is in good condition with minor contact and water damage. The material is approximately 4' to 16' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

AREA # 01 TOTAL \$2,420 \$1,533 \$3,953

*****	AREA NUMBER: 02	AREA DESCRIPTION: Ground Fl-Mezzanine Level-Pipe Tunnel	AREA AVERAGE % ASBESTOS: 60%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
south end of tunnel-in east wall	00-356265	80%	pipe covering	OMA	50	ft. 4 in. O.D.	HPS/R	39	III	\$446	\$279	\$725
south end of tunnel-in east wall	02-356266	50%	mjp on pipe covering	OMA	10	4 in. O.D.	HPS/R	39	III	\$281	\$156	\$437
	02-356267	50%							39 III			
	02-356268	60%							39 III			

ASBESTOS ASSESSMENT SURVEY

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Building Number: 09  
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SEATTLE, WASHINGTON  
Building Type: MECHANICAL  
Year Constructed: 1933

AREA COMMENTS

The materials are in fair to poor condition with contact and water damage. The materials are approximately 2' to 8' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 02 TOTAL \$727 \$435 \$1,162

\*\*\*\*\* AREA NUMBER: 03 AREA DESCRIPTION: Ground Floor-Ceilings AREA AVERAGE % ASBESTOS: 0% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
mezzanine level-break room	03-356269	0%	drop or lay-in panel	OMG	320	sq.ft.						
mezzanine level-restroom	03-356269	0%	drop or lay-in panel	OMG	160	sq.ft.						
	03-356270	0%										
	03-356271	0%										
storage room-at north end	04-356272	0%	acoustical tile	OMG	450	sq.ft.						
	04-356273	0%										
	04-356274	0%										

AREA COMMENTS

AREA # 03 TOTAL \$0 \$0 \$0

\*\*\*\*\* AREA NUMBER: 04 AREA DESCRIPTION: Ground Floor-Attic AREA AVERAGE % ASBESTOS: 60% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
above storage room-at north end	05-356275	50%	mjp on non-suspect pipe cover	OMA	2	6 in. O.D.	CON	30	III	\$77	\$45	\$122
	05-356276	80%						30	III			
	05-356277	50%						30	III			

AREA COMMENTS

The material is in good condition with no damage apparent. The material is approximately 2' from the floor. The space is confined and the only access is a small panel in the ceiling. At a minimum, it is recommended that the material be maintained and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 04 TOTAL \$77 \$45 \$122

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ASBESTOS ASSESSMENT SURVEY

Building Number: 09  
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 SEATTLE, WASHINGTON  
 Building Type: MECHANICAL  
 Year Constructed: 1933

*****	AREA NUMBER: 05	AREA DESCRIPTION: Ground Floor-Attic	AREA AVERAGE % ASBESTOS: 60%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
above storage room-in northwest corner	12-356500	60%	debris	OMF	5 sq.ft.			113 I		\$100	\$0	\$100
	12-356501	60%						113 I				
	12-356502	60%						113 I				

AREA COMMENTS

AREA # 05 TOTAL \$100 \$0 \$100

The debris is from magnesia pipe covering. It is recommended that the debris be removed using gross removal procedures.

*****	AREA NUMBER: 06	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 24%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
against south wall	00-356210	30%	pipe covering	OMA	85 ft.	4 in. O.D. DW	24	III		\$758	\$474	\$1,232
against south wall-by door	00-356278	20%	wrapped cardboard/paper pipe	OMA	6 ft.	4 in. O.D. DW	24	III		\$54	\$33	\$87
mezzanine level-on central platform	00-356282	30%	pipe covering	OMA	20 ft.	6 in. O.D. HPS/R	24	III		\$260	\$162	\$422
mezzanine level-along west & south walls	00-356282	30%	pipe covering	OMA	15 ft.	4 in. O.D. HPS/R	24	III		\$134	\$84	\$218
against south wall	00-356282	30%	pipe covering	OMA	42 ft.	4 in. O.D. HPS/R	24	III		\$375	\$234	\$609
mezzanine level-on central platform	00-356282	30%	pipe covering	OMA	28 ft.	4 in. O.D. HPS/R	24	III		\$250	\$156	\$406
mezzanine level-on central platform	00-356282	30%	pipe covering	OMA	50 ft.	10 in. O.D. HPS/R	24	III		\$944	\$699	\$1,643
mezzanine level-on central platform	00-356282	30%	pipe covering	OMA	24 ft.	8 in. O.D. HPS/R	24	III		\$340	\$243	\$583
mezzanine level-along west & south walls	00-356282	30%	pipe covering	OMA	32 ft.	8 in. O.D. HPS/R	24	III		\$453	\$324	\$777
mezzanine level-along west & south walls	00-356282	30%	pipe covering	OMA	105 ft.	10 in. O.D. HPS/R	24	III		\$1,981	\$1,467	\$3,448
mezzanine level-W of central platform	00-356298	0%	pipe covering	OMA	60 ft.	4 in. O.D. CON						
against south wall	06-356279	20%	mjp on pipe covering	OMA	32 4 in.	O.D. DW	24	III		\$899	\$500	\$1,399
	06-356280	15%					24	III				
	06-356281	10%					24	III				
mezzanine level-along west & south walls	07-356283	40%	mjp on pipe covering	OMA	4 4 in.	O.D. HPS/R	24	III		\$112	\$62	\$174
mezzanine level-on central platform	07-356283	40%	mjp on pipe covering	OMA	6 6 in.	O.D. HPS/R	24	III		\$232	\$136	\$368
mezzanine level-along west & south walls	07-356283	40%	mjp on pipe covering	OMA	10 10 in.	O.D. HPS/R	24	III		\$626	\$391	\$1,017
mezzanine level-along west & south walls	07-356283	40%	mjp on pipe covering	OMA	8 8 in.	O.D. HPS/R	24	III		\$385	\$226	\$611
mezzanine level-on central platform	07-356283	40%	mjp on pipe covering	OMA	10 10 in.	O.D. HPS/R	24	III		\$626	\$391	\$1,017
mezzanine level-on central platform	07-356283	40%	mjp on pipe covering	OMA	10 8 in.	O.D. HPS/R	24	III		\$481	\$283	\$764
mezzanine level-on central platform	07-356283	40%	mjp on pipe covering	OMA	20 4 in.	O.D. HPS/R	24	III		\$562	\$312	\$874
against south wall	07-356283	40%	mjp on pipe covering	OMA	3 4 in.	O.D. HPS/R	24	III		\$84	\$47	\$131
	07-356284	0%					24	III				
	07-356285	30%					24	III				
southwest area	08-356286	10%	mjp on non-suspect pipe cover	OMA	3 4 in.	O.D. RS/R	24	III		\$84	\$47	\$131

ASBESTOS ASSE SURVEY

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 SEATTLE, WASHINGTON  
 Building Type: MECHANICAL  
 Year Constructed: 1933

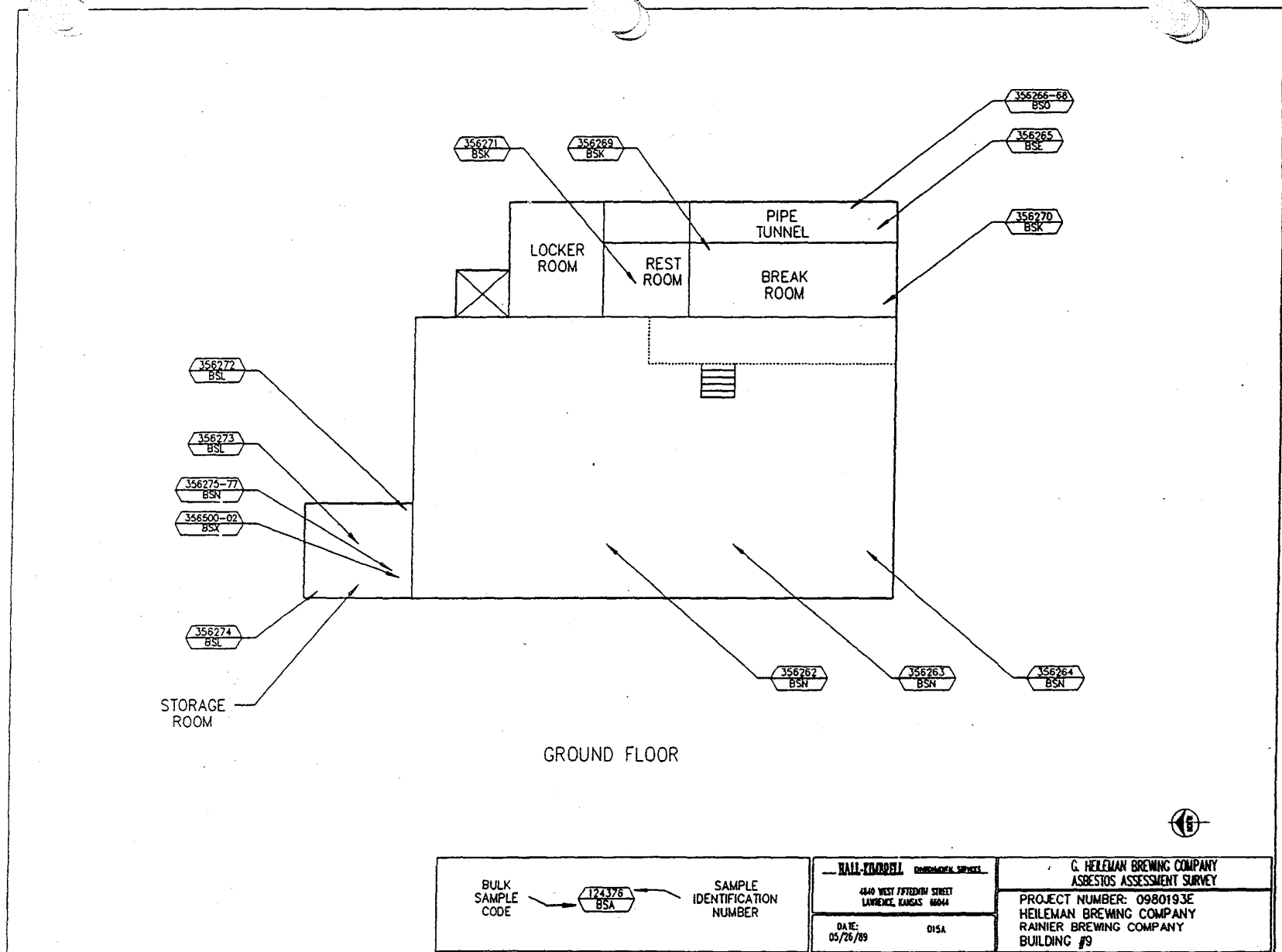
mezzanine level-northwest corner-W tank	08-356286	10%	mjp on non-suspect pipe cover	OMA	8 10 in. O.D.	RS/R	24 III	\$501	\$313	\$814
mezzanine level-northwest corner-W tank	08-356286	10%	mjp on non-suspect pipe cover	OMA	10 8 in. O.D.	RS/R	24 III	\$481	\$283	\$764
southwest area	08-356286	10%	mjp on non-suspect pipe cover	OMA	8 10 in. O.D.	RS/R	24 III	\$501	\$313	\$814
mezzanine level-northwest corner-W tank	08-356286	10%	mjp on non-suspect pipe cover	OMA	18 12 in. O.D.	RS/R	24 III	\$1,365	\$853	\$2,218
	08-356287	10%					24 III			
	08-356288	10%					24 III			
mezzanine level-northwest corner-W tank	09-356289	50%	boiler/tank insulation	OMB	200 sq.ft.		24 III	\$5,650	\$4,526	\$10,176
	09-356290	50%					24 III			
	09-356291	50%					24 III			
mezzanine level-NW corner-refri tank-top	10-356295	70%	boiler/tank insulation	OMB	4 sq.ft.		24 III	\$113	\$91	\$204
	10-356296	70%					24 III			
	10-356297	70%					24 III			
mezzanine level-W of central platform	11-356211	20%	mjp on pipe covering	OMA	23 4 in. O.D.	CON	24 III	\$646	\$359	\$1,005
	11-356212	0%					24 III			
	11-356299	20%					24 III			

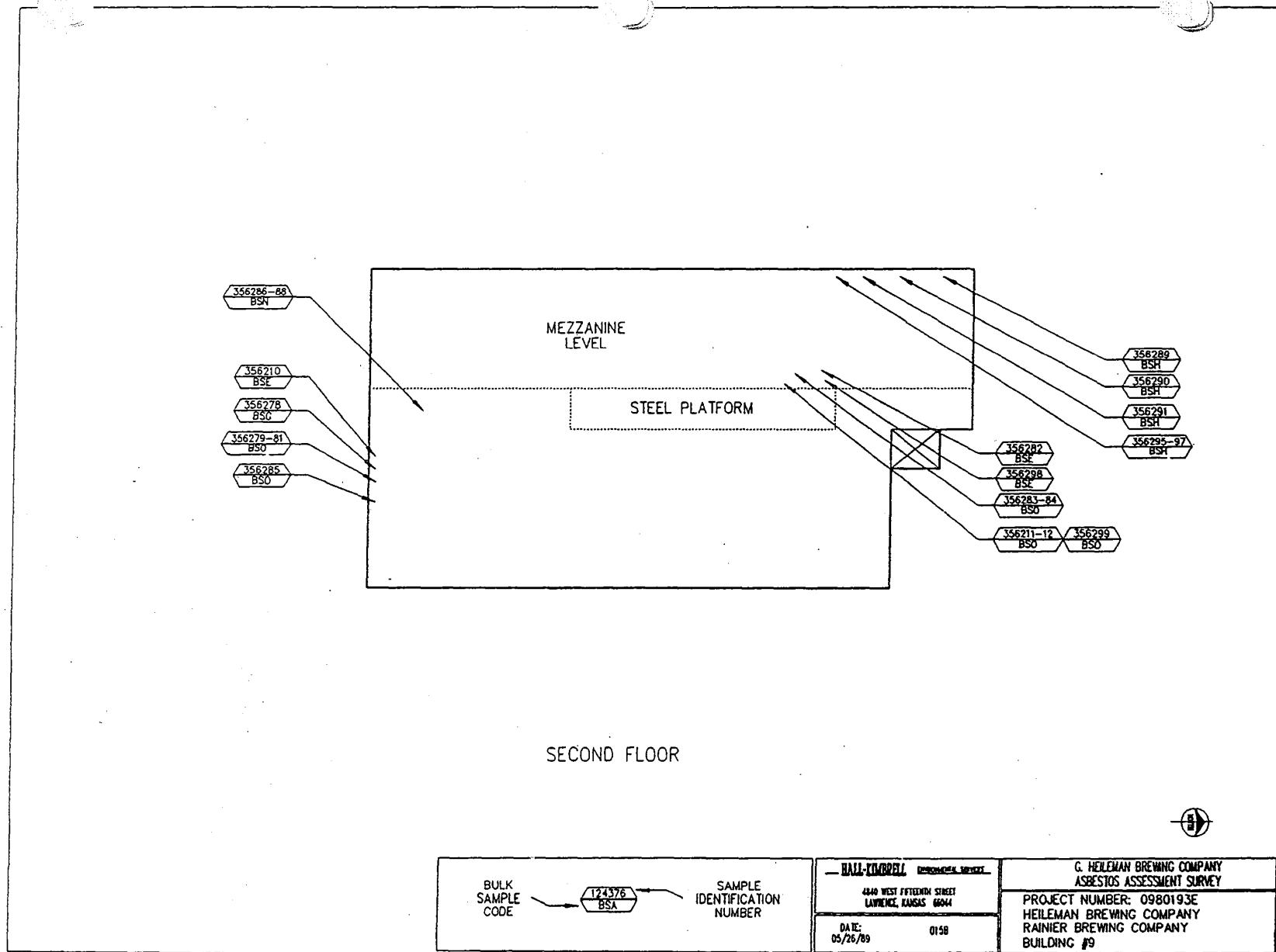
AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are approximately 1' to 16' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be high traffic area.

AREA # 06 TOTAL \$18,897 \$13,009 \$31,906

BUILDING # 09 TOTAL \$22,221 \$15,022 \$37,243





H-K Buildi. 10  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/29/89  
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ASBESTOS ASSE SURVEY

Building Number: 10/11/12/23  
 Building Name: SHOP/STORAGE & RECEIVING  
 SEATTLE, WASHINGTON 98134  
 Building Type: SHOPS  
 Year Constructed: 1933

*****	AREA NUMBER: 01	AREA DESCRIPTION: Ground Level-Part 11	AREA AVERAGE % ASBESTOS: 33%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
SW & central areas-south wall-at ceiling	00-356607	60%	pipe covering	OMA	40 ft.	6 in. O.D.	HPS/R	26	III	\$519	\$324	\$843
SW & central areas-south wall-at ceiling	00-356607	60%	pipe covering	OMA	30 ft.	8 in. O.D.	HPS/R	26	III	\$424	\$303	\$727
SW & central areas-south wall-at ceiling	00-356607	60%	pipe covering	OMA	90 ft.	4 in. O.D.	HPS/R	26	III	\$803	\$502	\$1,305
south wall & center of room-near ceiling	00-356684	10%	wrapped cardboard/paper pipe	OMA	50 ft.	6 in. O.D.	DW	26	III	\$649	\$405	\$1,054
east center area-at ceiling	00-356684	10%	wrapped cardboard/paper pipe	OMA	50 ft.	4 in. O.D.	DW	26	III	\$446	\$279	\$725
south wall & center of room-near ceiling	00-356684	10%	wrapped cardboard/paper pipe	OMA	5 ft.	4 in. O.D.	DW	26	III	\$45	\$28	\$73
SW & central areas-south wall-at ceiling	01-356681	30%	mjp on pipe covering	OMA	12 4 in.	O.D.	HPS/R	26	III	\$337	\$187	\$524
SW & central areas-south wall-at ceiling	01-356681	30%	mjp on pipe covering	OMA	6 8 in.	O.D.	HPS/R	26	III	\$289	\$170	\$459
SW & central areas-south wall-at ceiling	01-356681	30%	mjp on pipe covering	OMA	8 6 in.	O.D.	HPS/R	26	III	\$309	\$182	\$491
	01-356682	35%						26	III			
	01-356683	40%						26	III			
east center area-at ceiling	02-356685	45%	mjp on wrapped cardboard/paper	OMA	6 4 in.	O.D.	DW	26	III	\$169	\$94	\$263
south wall & center of room-near ceiling	02-356685	45%	mjp on wrapped cardboard/paper	OMA	3 6 in.	O.D.	DW	26	III	\$116	\$68	\$184
south wall & center of room-near ceiling	02-356685	45%	mjp on wrapped cardboard/paper	OMA	1 4 in.	O.D.	DW	26	III	\$28	\$16	\$44
	02-356686	45%						26	III			
	02-356687	45%						26	III			
against east wall	03-356688	10%	mjp on non-suspect pipe cover	OMA	4 8 in.	O.D.	RS/R	26	III	\$193	\$113	\$306
	03-356689	10%						26	III			
	03-356690	10%						26	III			
west area-near ceiling	07-356702	30%	mjp on non-suspect pipe cover	OMA	4 6 in.	O.D.	DW	26	III	\$155	\$91	\$246
	07-356703	30%						26	III			
	07-356704	35%						26	III			
against south wall-above door	09-356708	30%	mjp on non-suspect pipe cover	OMA	2 8 in.	O.D.	HPS/R	26	III	\$96	\$57	\$153
	09-356709	50%						26	III			
	09-356710	20%						26	III			

AREA COMMENTS

The materials are in fair condition with localized contact and water damage. The materials are approximately 4' to 19' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 01	TOTAL	\$4,578	\$2,819	\$7,397
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*****	AREA NUMBER: 02	AREA DESCRIPTION: Ground Level-Part 11	AREA AVERAGE % ASBESTOS: 4%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast area-above catwalk	08-356705	3%	pipe covering	OMA	25 ft.	12 in. O.D	RS/R	25	III	\$551	\$423	\$974

HALL-KIMBRELL ENVIRONMENTAL INC.

06/09/89

ASBESTOS ASSESSMENT SURVEY

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Date Inspected: 03/29/89  
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Building Number: 10/11/12/23  
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SEATTLE, WASHINGTON 98134  
Building Type: SHOPS  
Year Constructed: 1933

08-356706 10%  
08-356707 0%

25 III  
25 III

AREA COMMENTS

AREA # 02 TOTAL \$551 \$423 \$974

The material is in good condition with minor contact damage. The material is approximately 3' to 16' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

\*\*\*\*\* AREA NUMBER: 03 AREA DESCRIPTION: 2nd Floor-Parts 10 & 11 AREA AVERAGE % ASBESTOS: 30% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
part 11-locker rm-N wall & center of rm	00-356691	30%	pipe covering	OMA	8 ft.	4 in. O.D.	HPS/R	27	III	\$71	\$45	\$116
part 11-locker rm-N wall & center of rm	00-356691	30%	pipe covering	OMA	1 ft.	8 in. O.D.	HPS/R	27	III	\$14	\$10	\$24
part 11-locker rm-N wall & center of rm	00-356691	30%	pipe covering	OMA	40 ft.	10 in. O.D.	HPS/R	27	III	\$755	\$559	\$1,314
part 11-E side janitor's ofc-S rm-E wall	00-356691	30%	pipe covering	OMA	6 ft.	4 in. O.D.	HPS/R	27	III	\$54	\$33	\$87
part 10-break rm-N wall-next to AHU	00-356691	30%	pipe covering	OMA	1 ft.	4 in. O.D.	HPS/R	27	III	\$9	\$6	\$15
part 11-locker room-SW area of room	00-356691	30%	pipe covering	OMA	28 ft.	4 in. O.D.	HPS/R	27	III	\$250	\$156	\$406
part 11-locker rm-N wall & center of rm	04-356692	10%	mjp on pipe covering	OMA	3	10 in. O.D.	HPS/R	27	III	\$188	\$117	\$305
part 10-break rm-N wall-next to AHU	04-356692	10%	mjp on pipe covering	OMA	1	4 in. O.D.	HPS/R	27	III	\$28	\$16	\$44
part 11-locker room-SW area of room	04-356692	10%	mjp on pipe covering	OMA	10	4 in. O.D.	HPS/R	27	III	\$281	\$156	\$437
part 11-locker rm-N wall & center of rm	04-356692	10%	mjp on pipe covering	OMA	6	4 in. O.D.	HPS/R	27	III	\$169	\$94	\$263
	04-356693	15%						27	III			
	04-356694	70%						27	III			

AREA COMMENTS

AREA # 03 TOTAL \$1,819 \$1,192 \$3,011

The materials are in good condition with minor contact and water damage. The materials are approximately 1' to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

\*\*\*\*\* AREA NUMBER: 04 AREA DESCRIPTION: 3rd Floor-Part 10-Blue Rm-Storage Area AREA AVERAGE % ASBESTOS: 35% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
north & west walls	00-356695	30%	pipe covering	OMA	11 ft.	4 in. O.D.	HPS/R	26	III	\$98	\$61	\$159
north & west walls	00-356695	30%	pipe covering	OMA	32 ft.	12 in. O.D.	HPS/R	26	III	\$705	\$542	\$1,247
north & west areas-at ceiling	00-356695	30%	pipe covering	OMA	55 ft.	4 in. O.D.	HPS/R	26	III	\$491	\$307	\$798
north & west walls	05-356696	40%	mjp on pipe covering	OMA	2	12 in. O.D.	HPS/R	26	III	\$152	\$95	\$247
north & west walls	05-356696	40%	mjp on pipe covering	OMA	1	4 in. O.D.	HPS/R	26	III	\$28	\$16	\$44
north & west areas-at ceiling	05-356696	40%	mjp on pipe covering	OMA	14	4 in. O.D.	HPS/R	26	III	\$393	\$219	\$612



H-K Building 10  
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 Date Inspected: 03/29/89  
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ASBESTOS ASSESSMENT SURVEY

Building Number: 10/11/12/23  
 Building Name: SHOP/STORAGE & RECEIVING  
 SEATTLE, WASHINGTON 98134  
 Building Type: SHOPS  
 Year Constructed: 1933

05-356697	35%	26 III
05-356698	70%	26 III

AREA COMMENTS

AREA # 04 TOTAL \$1,867 \$1,240 \$3,107

The materials are in fair to good condition with localized contact damage. The materials are approximately 4' to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a low traffic area.

*****	AREA NUMBER: 05	AREA DESCRIPTION: 3rd Floor-Part 10-Ceiling	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
old safety office	06-356699	0%	acoustical tile	OMG	200 sq.ft.							
	06-356700	0%										
	06-356701	0%										

AREA COMMENTS

AREA # 05 TOTAL \$0 \$0 \$0

*****	AREA NUMBER: 06	AREA DESCRIPTION: Ground Level-Part 12	AREA AVERAGE % ASBESTOS: 31%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
shop area-N of staircase-above ceiling	00-356659	10%	wrapped cardboard/paper pipe	OMA	57 ft.	4 in. O.D.	DW	25	III	\$508	\$318	\$826
shop area-N of staircase-above ceiling	02-356685	45%	mjp on wrapped cardboard/paper	OMA	5	4 in. O.D.	DW	25	III	\$140	\$78	\$218
	02-356686	45%						25	III			
	02-356687	45%						25	III			
shop area-N of staircase-E center area	11-356663	0%	mjp on non-suspect pipe cover	OMA	2	4 in. O.D.	HPS/R					
	11-356664	0%										
	11-356665	0%										
shop area-N of staircase-SW corner	13-356670	30%	mjp on non-suspect pipe cover	OMA	3	6 in. O.D.	DW	25	III	\$116	\$68	\$184
	13-356671	30%						25	III			
	13-356672	50%						25	III			

ASBESTOS ASSES SURVEY

H-K Building 0  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/29/89  
Inspector: TIM SWARTZ

Building Number: 10/11/12/23  
Building Name: SHOP/STORAGE & LIVING  
SEATTLE, WASHINGTON 98134  
Building Type: SHOPS  
Year Constructed: 1933

AREA COMMENTS	AREA # 06 TOTAL	\$764	\$464	\$1,228
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The materials are in good condition with minor contact and water damage. The materials are approximately 4' to 16' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.  
NOTE: The mudded joint packings on wrapped cardboard domestic water lines were inaccessible, so the sample numbers have been referenced from the same type of material on domestic water lines that were sampled in buildings 10 and 11.

*****		AREA NUMBER: 07	AREA DESCRIPTION: Ground Level-Part 12-Ceiling			AREA AVERAGE % ASBESTOS: 0%				*****			
LOCATION OF THE MATERIAL		SAMPLE NUMBER	ASS	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
shop area-north of staircase		10-356656	0%	drop or lay-in panel	OMG	650 sq.ft.							
		10-356657	0%										
		10-356658	0%										

AREA COMMENTS	AREA # 07 TOTAL	\$0	\$0	\$0
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*****		AREA NUMBER: 08		AREA DESCRIPTION: Ground Floor-Stairwell-Part 23			AREA AVERAGE % ASBESTOS: 56%			*****			
LOCATION OF THE MATERIAL		SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
landing between 1st & 2nd floors-W end landing between 1st & 2nd floors-W end		00-356666	70%	pipe covering	OMA	24 ft. 4 in.	O.D.	HPS/R	42	11	\$214	\$134	\$348
		12-356667	60%	mjp on pipe covering	OMA	24	4 in. O.D.	HPS/R	42	11	\$674	\$375	\$1,049
		12-356668	60%						42	11			
landing between 1st & 2nd floors-W end		12-356669	60%						42	11			
		13-356670	30%	mjp on non-suspect pipe cover	OMA	2	6 in. O.D.	DW	42	11	\$77	\$45	\$122
		13-356671	30%						42	11			
		13-356672	50%						42	11			

AREA COMMENTS	AREA # 08 TOTAL	\$965	\$554	\$1,519
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The materials are in fair condition with localized contact and water damage. The materials are approximately 1' to 9' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

H-K Building 10  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/29/89  
 Inspector: TIM SWARTZ

ASBESTOS ASSESSMENT SURVEY

Building Number: 10/11/12/23  
 Building Name: SHOP/STORAGE & RECEIVING  
 SEATTLE, WASHINGTON 98134  
 Building Type: SHOPS  
 Year Constructed: 1933

*****	AREA NUMBER: 09	AREA DESCRIPTION: 2nd Floor-Part 23	AREA AVERAGE % ASBESTOS: 40%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
landing at top of stairs-west end	00-356676	40%	pipe covering	OMA	18 ft. 12 in.	O.D HPS/R	25	III		\$396	\$305	\$701

AREA COMMENTS

AREA # 09 TOTAL \$396 \$305 \$701

The material is in good condition with minor contact and water damage. The material is approximately 3' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 10	AREA DESCRIPTION: Ground Fl-Part 12-Northeast Shop Area	AREA AVERAGE % ASBESTOS: 60%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
room along north wall-on small table	00-356680	60%	asbestos cloth	OMZ	13 linear feet			38	III	\$40	\$0	\$40

AREA COMMENTS

AREA # 10 TOTAL \$40 \$0 \$40

This material was found tattered and covered with oil. It is recommended that this material be removed.

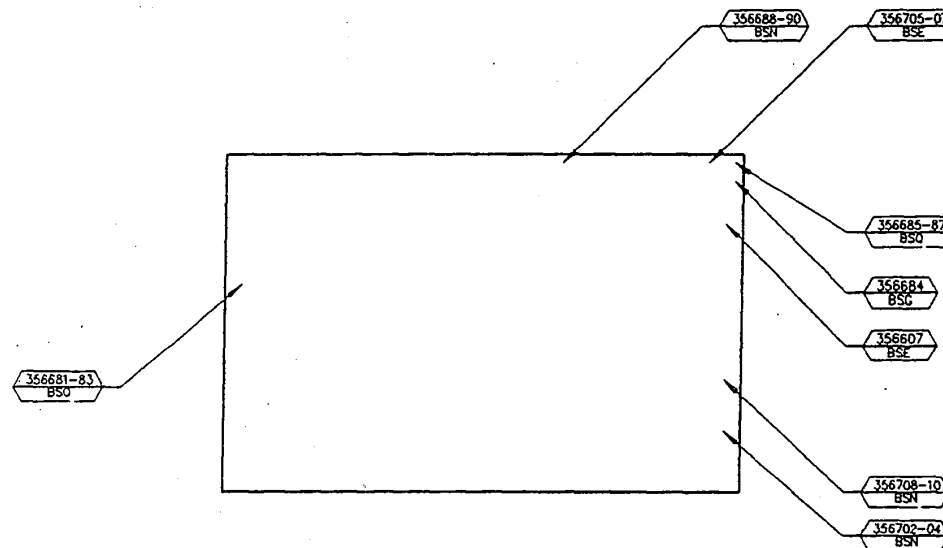
*****	AREA NUMBER: 11	AREA DESCRIPTION: Ground Floor-Part 23-Stairwell	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
SW area-landing between 1st & 2nd floors	14-356673 14-356674 14-356675	0% 0% 0%	pipe covering	OMA	10 ft. 12 in.	O.D RS/R						

AREA COMMENTS

AREA # 11 TOTAL \$0 \$0 \$0

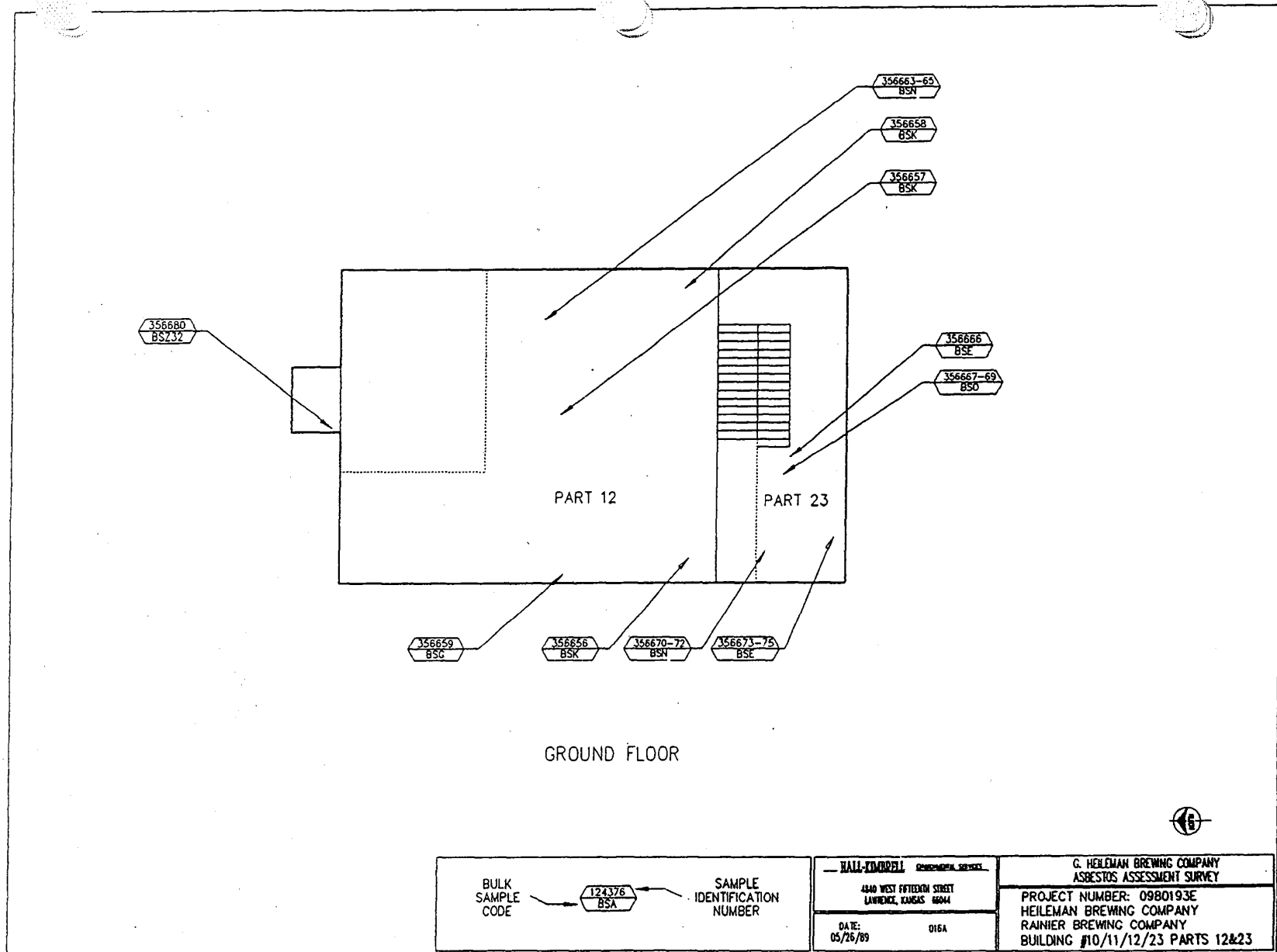
BUILDING # 10 TOTAL \$10,980 \$6,997 \$17,977

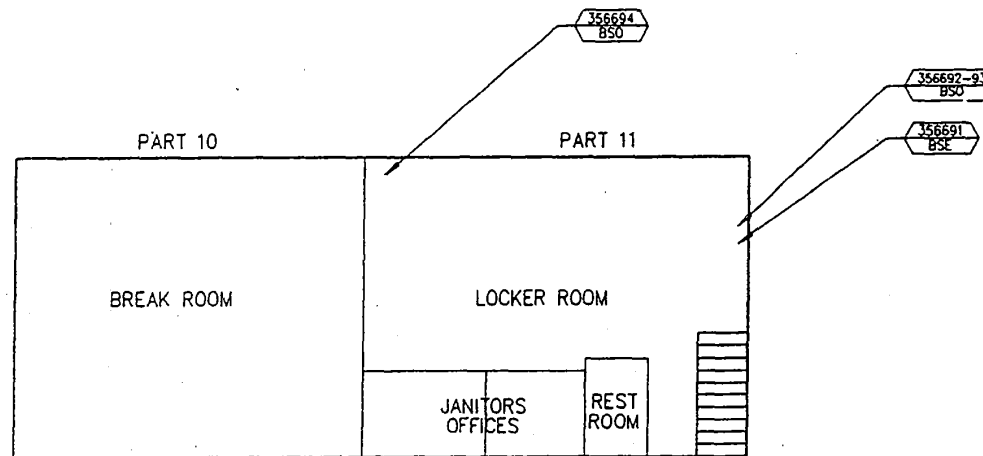


GROUND FLOOR



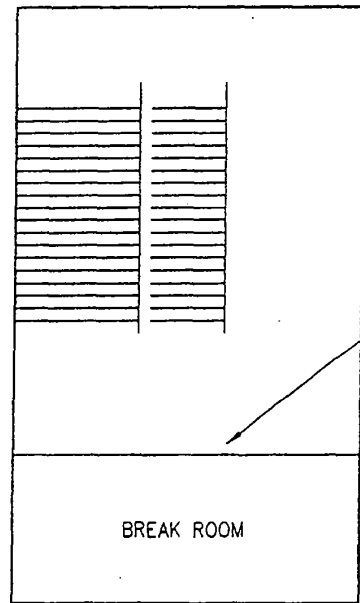
BULK SAMPLE CODE		SAMPLE IDENTIFICATION NUMBER	<b>HALL-EDBELL</b> <small>ANALYTICAL SERVICES</small> 4440 WEST FIFTEENTH STREET LAWRENCE, KANSAS 66044		<b>G. HEILEMAN BREWING COMPANY</b> <b>ASBESTOS ASSESSMENT SURVEY</b>
			DATE: 05/26/89	016	PROJECT NUMBER: 0980193E HEILEMAN BREWING COMPANY RAINIER BREWING COMPANY BUILDING #10/11/12/23 PART 11





SECOND FLOOR

BULK SAMPLE CODE	124376 BSA	SAMPLE IDENTIFICATION NUMBER	HALL-KIMBLE	G. HEILEMAN BREWING COMPANY ASBESTOS ASSESSMENT SURVEY
			4440 WEST FIFTYFIFTH STREET LAWRENCE, KANSAS 66044	PROJECT NUMBER: 0980193E HEILEMAN BREWING COMPANY RAINIER BREWING COMPANY BUILDING #10/11/12/23 PARTS 10&11
DATE: 05/26/89			0168	



BREAK ROOM

SECOND FLOOR

356676  
BSA



BULK  
SAMPLE  
CODE

174378  
BSA

SAMPLE  
IDENTIFICATION  
NUMBER

**HALL-THORPE** ENVIRONMENTAL SERVICES  
4840 WEST FIFTEENTH STREET  
LAURENCE, KANSAS 66044  
DATE: 05/26/89 016C

**G. HEILEMAN BREWING COMPANY**  
ASBESTOS ASSESSMENT SURVEY  
PROJECT NUMBER: 0980193E  
HEILEMAN BREWING COMPANY  
RAINIER BREWING COMPANY  
BUILDING #10/11/12/23 PART 23

